by Blakely, Sokoloff, Taylor & Zafman LLP

Approved for use through 10/31/2002. OMB 0651-0032

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		UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))				
		t No. <u>42.P16802</u>				
	imum 12 characters) Named Inv	ventor Vincent J. Zimmer				
Title:						
	USING A TUNABLE BIN-PACKING/KNAPSACK ALGORITHM					
Expr	ess Mail La	abel No EV320119183US				
ADDI	RESS TO:	Mail Stop: Patent Application				
		Commissioner for Patents P.O. Box 1450				
Ĺ		Alexandria, VA 22313-1450				
		ELEMENTS				
See	MPEP cha	apter 600 concerning utility patent application contents.				
1.	<u>XX</u>	Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)				
2.		Applicant Claims Small Entity Status. (37 CFR 1.27)				
3.	_XX	Specification (Total Pages 28)				
		(preferred arrangement set forth below) - Descriptive Title of the Invention				
		- Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D				
		- Reference sequence listing, a table, or a computer program listing appendix				
		- Background of the Invention				
		- Brief Summary of the Invention - Brief Description of the Drawings (if filed)				
	- Detailed Description - Claim(s)					
	- Abstract of the Disclosure					
4.	_XX	Drawings(s) (35 USC 113) (Total Sheets 9)				
5.	XX	Oath or Declaration (Total Pages 5)				
		a. XX Newly Executed (Original or Copy)				
		b Copy from a Prior Application (37 CFR 1.63(d)) (for Continuation/Divisional with Box 18 completed)				
í		 i. <u>DELETIONS OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 				
		c Unsigned.				
6.		Application Data Sheet. (37 CFR 1.76)				
7.		CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)				
8.		Nucleotide and/or Amino Acid Sequence Submission				
	(if applica a.	ble, all necessary) Computer Readable Form (CRF)				
	b	Specification Sequence Listing on: iCD-ROM or CD-R (2 copies); or				
	C.	ii paper Statement verifying identity of above copies				

	· · ·	ACCOMPANYING APPLICATION PARTS				
9.	XX	Assignment Papers (cover sheet & documents(s))				
10.		a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)				
	XX	b. Power of Attorney				
11.		English Translation Document (if applicable)				
12.		a. Information Disclosure Statement (IDS)/PTO-1449				
i		b. Copies of IDS Citations				
13.		Preliminary Amendment				
14.	XX	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)				
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)				
16.		Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.				
17A.	_XX	Other: Certificate of mailing with copy of postcard signed by attorney				
17B.	_xx_	Pursuant to 37 C.F.R. 1.136(a)(3), applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 C.F.R. 1.16 and 1.17, to Deposit Account No. 02-2666.				
		TINUING APPLICATION, check appropriate box, and supply the requisite information below				
_	•	inary amendment, or in an Application Data Sheet Under 37 C.F.R. 1.76:				
Of F	rior Appl	ication No.: Examiner Group Art Unit				
(which which	Continuation Divisional Continuation-in-part (CIP) Of Prior Application No.: (which is acontinuation/divisional/CIP of prior application no. which is acontinuation/divisional/CIP of prior application no, (List entire chain of priority)					
Applic For Co oath c	cant(s): A ONTINUA or declara nuation or	also include a Preliminary Amendment to amend the specification to claim priority. TION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an tion is supplied under Box 5b, is considered a part of the disclosure of the accompanying divisional application and is hereby incorporated by reference. The incorporation can only be en a portion has been inadvertently omitted from the submitted application parts.				
18B.		nt under 37 CFR 3.73(b) for <u>continuing</u> application:				
record	nee of the	ersigned states that (name of assignee) is the entire right, title, and interest in the accompanying patent application by virtue of an assignment Patent and Trademark Office at Reel. No Frame No (or a copy of ed).				
19.	Corres	pondence Address ner Number or Bar Code Label				
or (Insert Customer No. or Attach Bar Code Label here) X Correspondence Address Below						
NAME R. Alan Burnett BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP						
ADDR		12400 Wilshire Boulevard Seventh Floor				
		STATE California ZIP CODE 90025-1026 S.A. TELEPHONE (206) 292-8600 FAX (206) 292-8606				
		YPE): R. Alan Burn tt R gistration No.: 46,149				
Signa	ture:	Man bury Date: 54 19, 2003				

PTO/SB/17 (01-03)

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FEE TRANSMITTAL		Complete if Known			
g FEE TRANSMITTAL		Application Number	New Patent Application		
-	2003	Filing Date	Concurrently herewith		
for FY 2003 Effective 01/01/2003. Patent fees are subject to annual revision.		First Named Inventor	Vincent J. Zimmer		
		Examiner Name	Not Yet Assigned		
Applicant claims small entity status	See 37 CFR 1.27	Art Unit	Not Yet Assigned		
TOTAL AMOUNT OF PAYMENT	(\$) 1054	Attorney Docket No.	42.P16802		
METHOD OF DAYMENT (shee	(call that analy)	EEE C	ALCIN ATION (- anti- and)		

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None	3. ADDITIONAL FEES					
Deposit Account:	<u>Large</u>	Entity	Small	Entity		
Denosit	Fee Code	Fee (\$)		Fee (\$)	Fee Description	Con Onle
Account Number	1051	130	2051	,	Surcharge - late filing fee or oath	Fee Paid
Deposit	1052	50	2052		Surcharge - late provisional filing fee or	
Account Name				-	cover sheet	
The Commissioner is authorized to: (check all that apply)	1053	130	1053		Non-English specification	
Charge fee(s) indicated below Credit any overpayments		2,520			For filing a request for ex parte reexamination	
Charge any additional fee(s) during the pendency of this application	1804	920*	1804	920	Requesting publication of SIR prior to Examiner action	I
Charge fee(s) indicated below, except for the filing fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after	1
to the above-identified deposit account.	1251	110	2254		Examiner action	
FEE CALCULATION	1251	410	2251	55 205	Extension for reply within first month Extension for reply within second month	} }
1. BASIC FILING FEE	1252	930	2253		Extension for reply within third month	
Large Entity Small Entity Fee Fee Fee Fee Pee Description Fee Paid		1,450	2254	725	Extension for reply within fourth month	
Code (\$) Code (\$)		,	2255		Extension for reply within fifth month	
1001 750 2001 375 Utility filing fee 750		1,970		985		
1002 330 2002 165 Design filing fee	1401	320	2401		Notice of Appeal	
1003 520 2003 260 Plant filing fee	1402	320	2402		Filing a brief in support of an appeal	
1004 750 2004 375 Reissue filing fee	1403	280	2403		Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451 2452		Petition to institute a public use proceeding Petition to revive - unavoidable	
SUBTOTAL (1) (\$) 750		110				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,300	2453 2501		Petition to revive - unintentional	
Fee from Extra Claims below Fee Paid	1501	470	2502		Utility issue fee (or reissue) Design issue fee	
Total Claims 30 -20** = 10 x 18 = 180	1503	630	2503		Plant issue fee	
Independent	1460	130	1460		Petitions to the Commissioner	
Multiple Dependent	1807	50	1807		Processing fee under 37 CFR 1.17(g)	
Large Entity Small Entity	1806	180	1806		Submission of Information Disclosure Stmt	
Fee Fee Fee Fee <u>Fee Description</u> Code (\$) Code (\$)	8021	40	8021	-	Recording each patent assignment per	40
1202 18 2202 9 Claims in excess of 20					property (times number of properties)	
1201 84 2201 42 Independent claims in excess of 3	1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	} }
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each additional invention to be	
1204 84 2204 42 ** Reissue independent claims					examined (37 CFR 1.129(b))	
over original patent	1801	750	2801		Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 264		fee (sp				<u></u>
**or number previously paid, if greater; For Reissues, see above	*Redu	iced by	Basic f	Filing F	ee Paid SUBTOTAL (3) (\$) 0	

SUBMITTED BY				(Complete (if applicable)
Name (Print/Type)	R. Alan Burnett	Registration No. (Attorney/Agent)	46,149	Telephone	206-292-8600
Signature	Letter Rose			Date	8A 19, 2013

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

TITLE

MANAGING PERIPHERAL DEVICE ADDRESS SPACE RESOURCES USING A TUNABLE BIN-PACKING/KNAPSACK ALGORITHM

Inventors: Vincent J. Zimmer and Michael A. Rothman

Respectfully submitted,

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

Y. Man Berrett R. Alan Burnett Reg. No. 46,149

"Express Mail" mailing label number: _EV320119183US

Date of Deposit: ____ September 19, 2003

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Mail Stop New Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Christina Fernandez

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper of fee) (Date signed)

Client: Intel Corporation	ADDRESS SPACE RESOURCES USING A
TUNABLE BIN-PACKING/KNAPSA	CK ALGORITHM
BSTZ File No. 42.P15802 Date Mailed September 19, 2003	Atty/Secty Initials: RAB:cff
	ent & Trademark Office on the date stamped bereon?
Amendment/Response (pgs.)	Express Mail No. EV320119183US Check No. 310
Appeal Brief (pgs.) (in triplicate)	Month(s) Extension of Time Am \$1054.
Application - Utility (28 pgs., with cover and abstract)	☐ Information Disclosure Statement & PTO-1449 (_pgs.) ☐ Check No.
	I Issue Fee Transmittal Amt
Application - Rule 1.53(b) Divisional (pgs.)	☐ Notice of Appeal
Application - Rule 1.53(b) CIP (pgs.)	D Petition for Extension of Time
Application - Rule 1.53(d) CPA Transmittal (pgs.)	Petition for
Application - Design (pgs.)	Postcard
Application—PCT (pgs.) Application—Provisional (pgs.)	Priver of Autories (pgs.) Sections by simenament (pgs.)
Assignment and Cover Sheet	Reply Brief (pgs.)
Certificate of Mailing Declaration & POA (Resource to Notice of Missing Parts Small Entity Declaration for Indep. Inventor/Small Business
Disclosure Docs & Orig & Copy of Inventor's Signed Letter (pgs.)	Transmittal Letter, in duplicate
Drawings: 9 # of sheets includes 9 figures	Fee Transmittal, in duplicate
Other *Certificate of mailing	with copy of